

AMENDMENT

In the Claims

Please amend the claims as indicated below:

Scope of Genablu

1. (Amended) A method of screening agents [for use in the prevention or treatment of cancer] comprising:

- (a) contacting a vegetative cell of *Dictyostelium discoideum* with a test agent;
- (b) assessing the cytotoxicity of said test agent;
- (c) assessing the effect of said test agent on the expression of one or more of *repB*, *repD* and *APE* gene products; and
- (d) comparing said cytotoxicity and said expression in the presence of said test agent with a vegetative cell of *Dictyostelium discoideum* not exposed to said test agent;

wherein

- (i) a test agent that is cytotoxic but does not induce expression of one or more of *repB*, *repD* and *APE* gene products identifies said agent as a potential chemotherapeutic;
- (ii) a test agent that is not cytotoxic but does induce expression of one or more of *repB*, *repD* and *APE* gene products identifies said agent as a potential chemopreventative; and

both have potential
kill cells
11/2/2
anything
can be a
potential
chemotherapeutic
eg water